

**BOB CUMMINGS LINCOLN TRAIL BRIDGE  
SR237 OVER THE OHIO RIVER  
Structure No. 237-62-6512C  
Des. No. 0710259 Bridge Rehabilitation  
Des. No. 0710260 Bridge Painting**

**Perry County, Indiana**

**Thursday, March 31, 2016**



# Welcome

- **Introduction of INDOT project officials**
  - Project Management
  - Vincennes District – construction, maintenance
  - Public Involvement
- **Recognition of elected and local public officials**

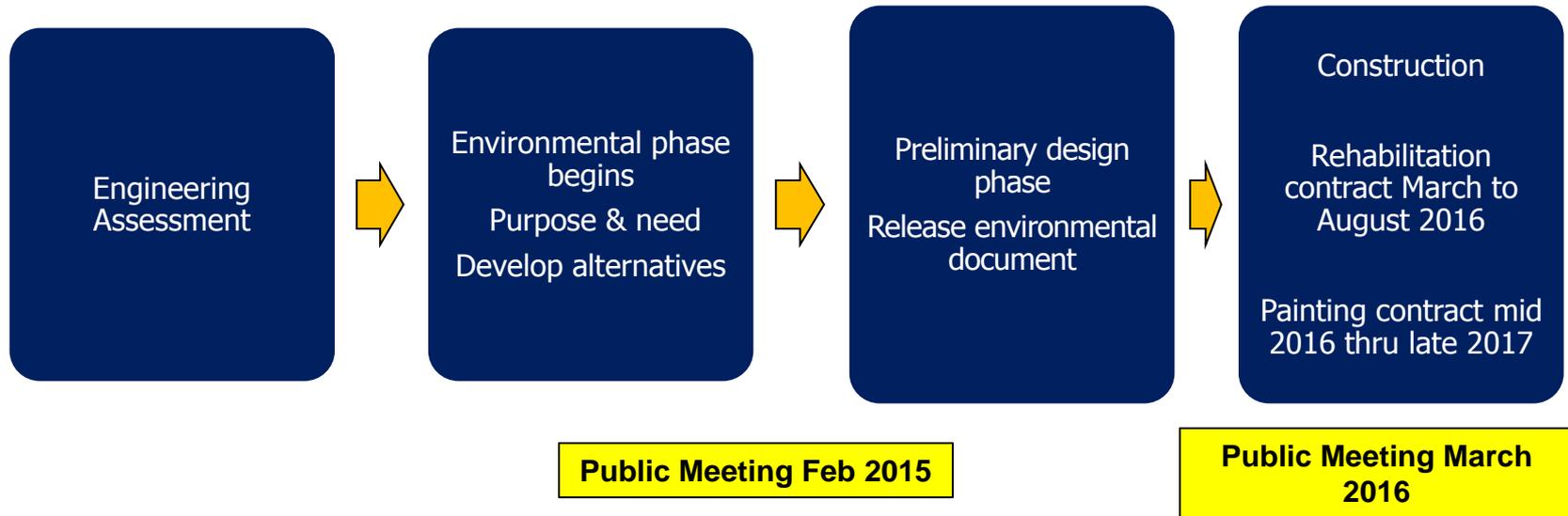


# Project Stakeholders

- Indiana Department of Transportation
- Indiana Division Federal Highway Administration
- Perry County Indiana
- Hancock County Kentucky
- Local communities
- Elected public officials
- Community residents and citizens
- Commuters

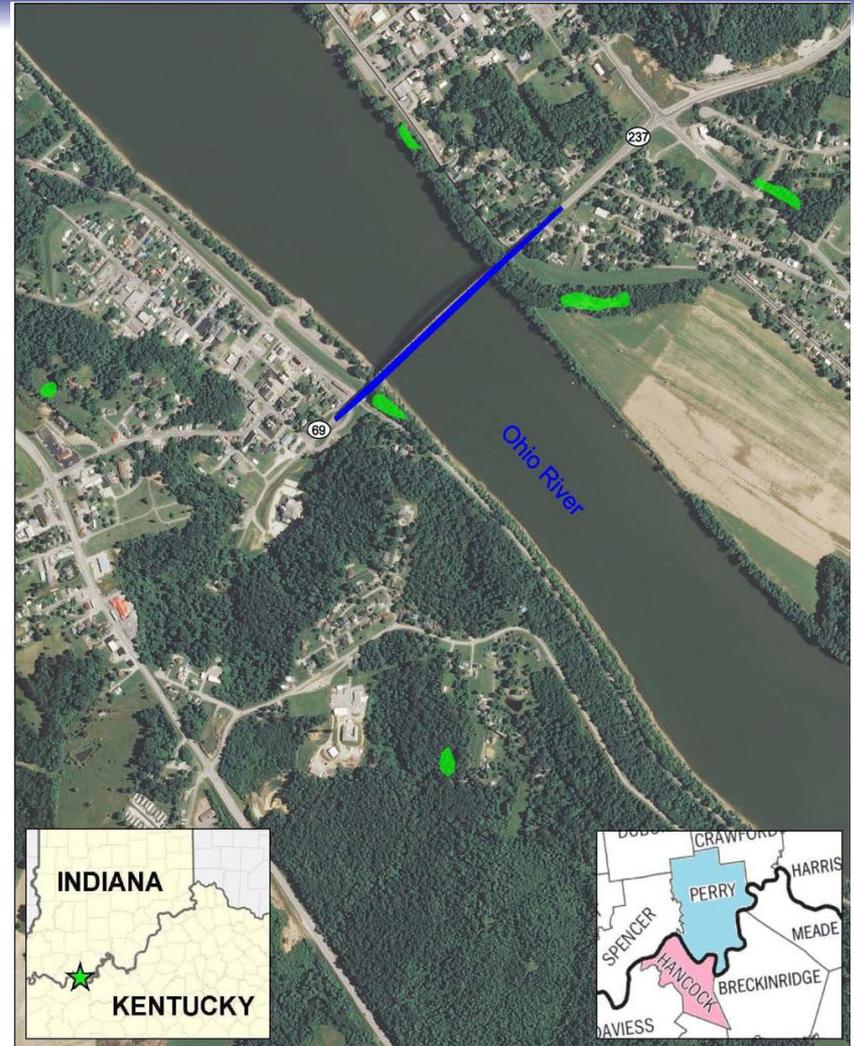


# Bridge Rehab and Painting



# Project location

- SR 237 Bridge over the Ohio River between Cannelton, Indiana, and Hawesville, Kentucky.
- Located 0.38 miles south of SR 66, in Section 16, T-7-S, R-3-W, Troy Township, Perry County, Indiana and Hancock County, Kentucky.
- Referred to as KY-69 in Kentucky.



# Project description

## Rehabilitation Contract

- Retrofit locations of various structural details
- Address other high-priority repair items



## Painting Contract

- A separate contract
- Follows Rehab
- Clean and paint the steel superstructure



# Project Funding

## INDOT

- Incorporated into the STIP on October 28, in STIP Amendment #14-31.

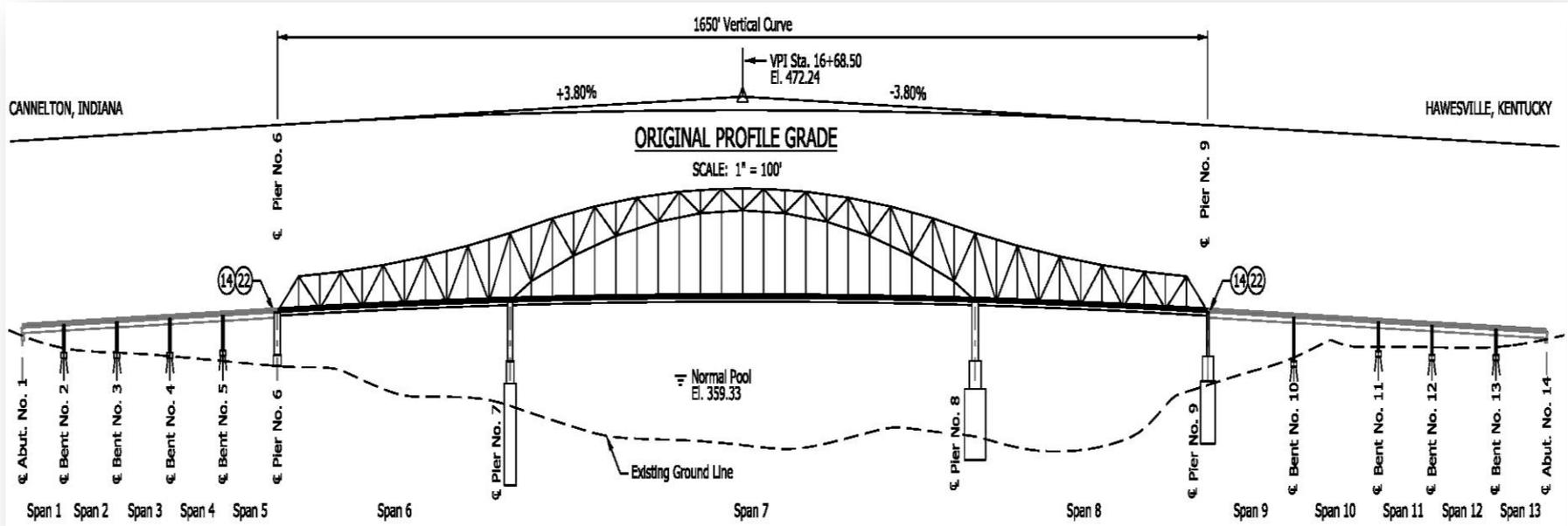
## KYTC

- Pending incorporation



# Purpose

- The purpose of this project is to address the retrofits and deteriorated protective coating of the Bob Cummings Lincoln Trail Bridge.



# Maintenance of Traffic

- Bridge will remain open to traffic during both projects
- Provide the greatest benefit to the motoring public during construction
- Most cost effective method possible



# Cost benefit analysis

- Used cost benefit analysis to compare construction alternatives based on the following:
  - Duration of Construction Season
  - Network Delay
  - Length of Queues
  - Cost of Lost Time to the Motorist
  - Cost of Extra Travel Distance
  - Cost of Maintenance of Traffic
  - Construction Cost



# Rehabilitation alternative

## Staged 1000 Feet Single Lane Closure with Temporary Traffic Signals

- Description:
  - Single lane closures for staged 1000' construction zones in three phases per side.
  
- Duration of Construction:
  - 5 months
  - March to August of the 2016 season
  
- Location of Temporary Signals:
  - To regulate the two-way traffic, two temporary signals will be installed at the northeast Indiana approach and the existing Hawesville School Drive/Clay Street/KY-69 intersection at the Kentucky approach. (Based on the location of the work zones, the temporary signal at the existing intersection will also be moved to the Kentucky approach during construction.)



# Alternative Rehab

Phase 1 Traffic Control  
SR 237  
DES #0710259 (Rehabilitation); 0710260 (Painting)  
Perry County, Indiana



-  Existing Traffic Signal
-  Temporary Traffic Signal

0.15 0.075 0 0.15 Miles

Sources:  
Non-Orthophotography -  
Data - Obtained from the State of Indiana Geographical  
Information Office Library  
Orthophotography - Obtained from Indiana Map Framework Data  
(www.indianamap.org)  
Map Projection: UTM Zone 16 N Map Datum: NAD83

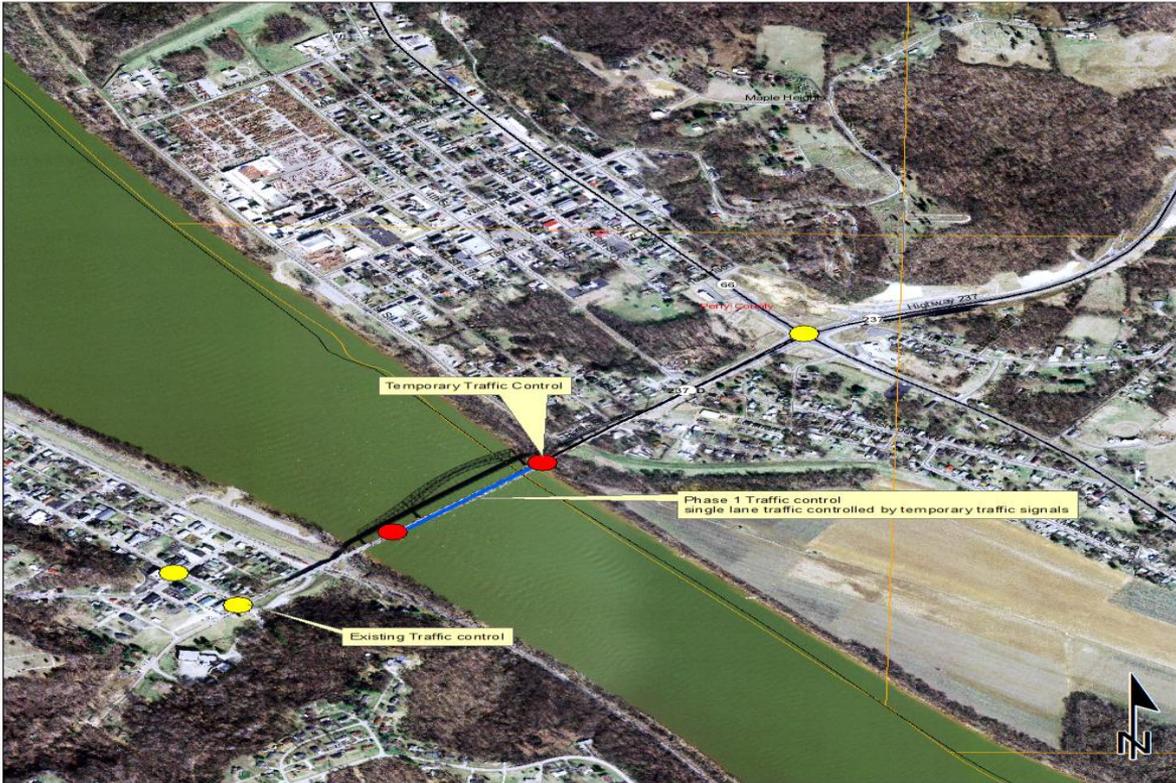
This map is intended to serve as an aid in graphic  
representation only. This information is not warranted  
for accuracy or other purposes.

Stage



# Alternative Rehab

Phase 2 Traffic Control  
SR 237  
Perry County, Indiana



## ALTERNATIVE REHAB:

Staged 1000 Feet Single Lane Closure with Temporary Traffic Signals

-  Existing Traffic Signal
-  Temporary Traffic Signal

Sources:  
Non-Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library  
Orthophotography - Obtained from Indiana Map Framework Data ([www.indianamap.org](http://www.indianamap.org))  
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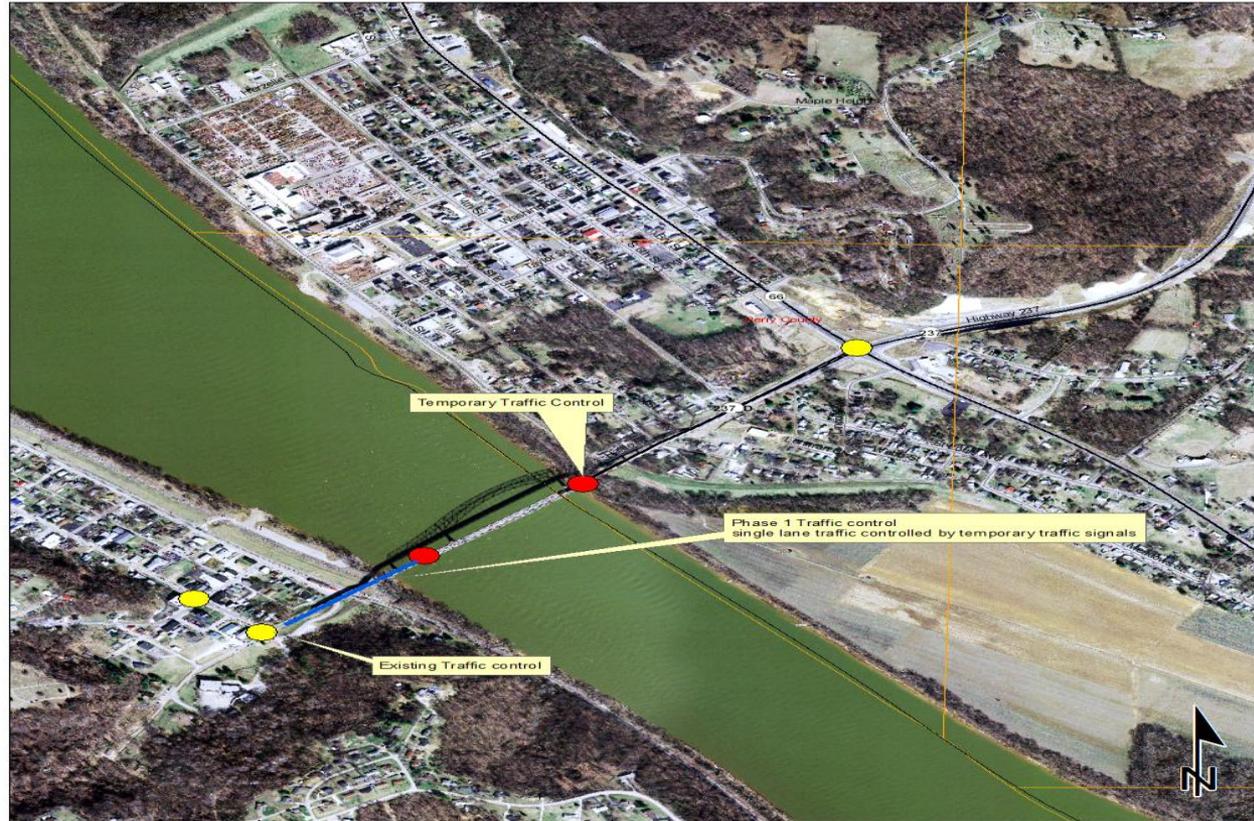
# Alternative Rehab

Phase3 Traffic Control  
SR 237  
Perry County, Indiana

## ALTERNATIVE REHAB:

Staged 1000 Feet Single Lane Closure with Temporary Traffic Signals

-  Existing Traffic Signal
-  Temporary Traffic Signal



Sources:  
Non-Orthophotography Data - Obtained from the State of Indiana Geographical Information Office Library  
Orthophotography - Obtained from Indiana Map Framework Data ([www.indianamap.org](http://www.indianamap.org))  
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Staged 1000 Foot Single Lane Closure  
Existing Traffic Signal  
Temporary Traffic Signal



# Alternative Painting

2000 foot single lane closure with temporary traffic signals  
(2 stages @ 1000 foot max each side)

## ■ Description:

- Staged single lane closure for a 2000' construction zone from Bent 6 to Bent 11, Spans 6 thru 10 with 2 stages @ 1000' max each side.

## ■ Duration of Construction:

- 13 months over the course of two seasons, July to December of the 2016 season and Mid-March to Mid-November of the 2017 season

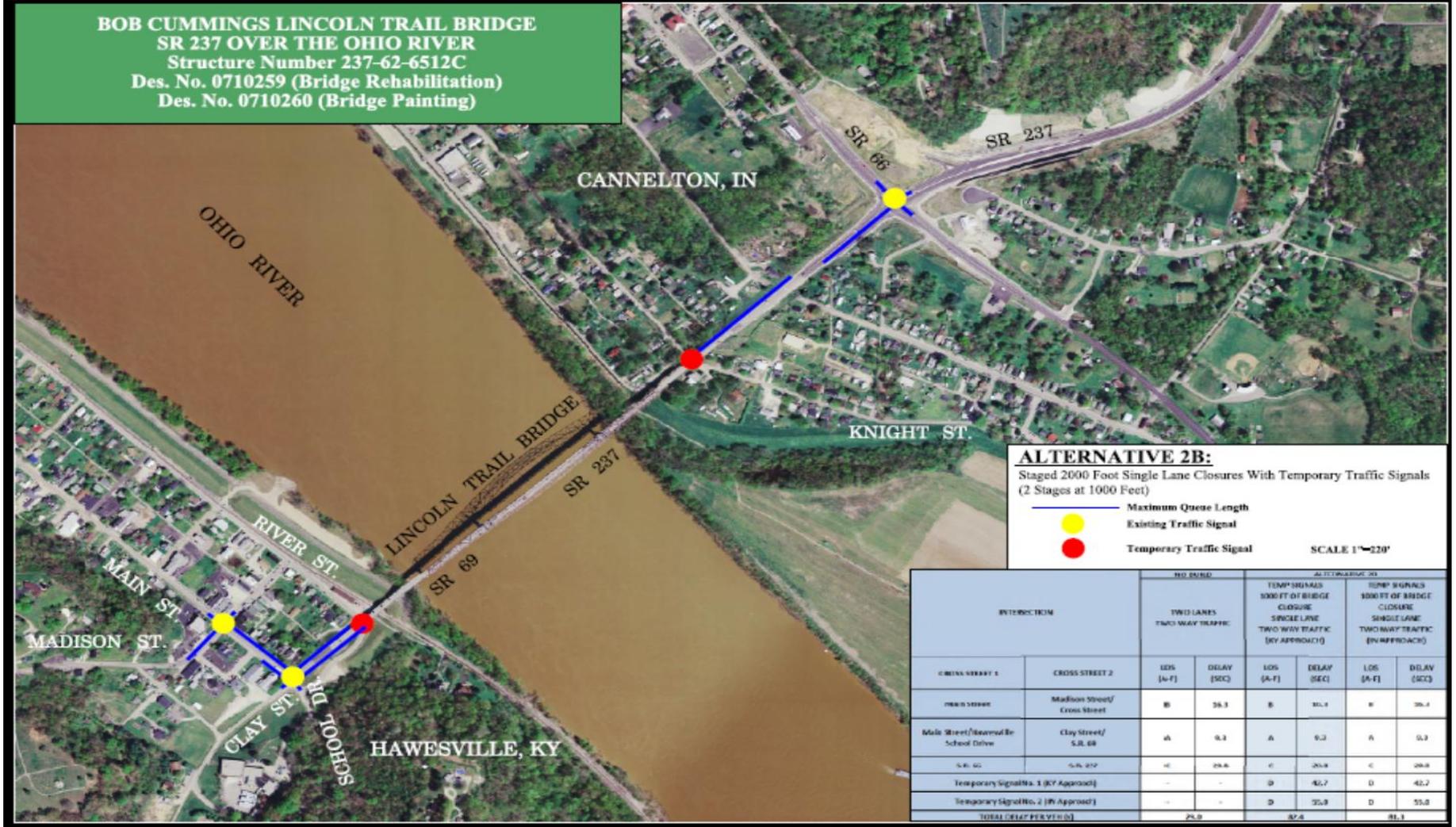
## ■ Location of Temporary Signals:

- To regulate the two-way traffic, two temporary signals will be installed at approximately Bent 6 and Bent 11 on the bridge.



# Alternative Painting

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**ALTERNATIVE 2B:**  
 Staged 2000 Foot Single Lane Closures With Temporary Traffic Signals  
 (2 Stages at 1000 Feet)

- Maximum Queue Length
- Existing Traffic Signal
- Temporary Traffic Signal

SCALE 1"=220'

INTERSECTION		NO SIGNAL		ALTERNATIVE 2B			
		TWO LANES TWO WAY TRAFFIC		TEMP SIGNALS 5000 FT OF BRIDGE CLOSURE SINGLE LANE TWO WAY TRAFFIC (BY APPROACH)		TEMP SIGNALS 1000 FT OF BRIDGE CLOSURE SINGLE LANE TWO WAY TRAFFIC (BY APPROACH)	
CROSS STREET 1	CROSS STREET 2	LOS (A-F)	DELAY (SEC)	LOS (A-F)	DELAY (SEC)	LOS (A-F)	DELAY (SEC)
MAIN STREET	Madison Street/ Cross Street	B	35.3	B	30.4	B	35.4
Main Street/General B- School Drive	Clay Street/ S.R. 69	A	0.3	A	0.3	A	0.3
S.R. 66	S.R. 237	C	29.6	C	20.8	C	29.0
Temporary Signal No. 1 (KY Approach)		-	-	D	40.7	D	42.7
Temporary Signal No. 2 (IN Approach)		-	-	D	35.8	D	35.0
<b>TOTAL (BY APPROACH)</b>			<b>29.0</b>		<b>37.6</b>		<b>35.3</b>



# CONSTRUCTION DURATION SUMMARY

## ALTERNATIVE EVALUATION

Alternative	Description	Estimated Construction Duration	Construction Seasons
		(months)	
REHAB	Staged 1000 Feet Single Lane Closure with Temporary Traffic Signals	5	March 2016 to August 2016
2B	2000 Foot Single Lane Closure with Temporary Traffic Signals (2 stages @ 1000' max each side)	13	July 2016 to December 2016 Mid-March 2017 to Mid-November 2017



# Environmental Considerations

## Migratory Bird Act Considerations



## US Coast Guard Section 9 of the Rivers and Harbors Act of 1899 and the General Bridge Act of 1946



# Environmental Considerations

## Continued

### Containment Operations



# Environmental Considerations

## Continued

### Historic Resource



# Federal Color Standard Options for Consideration

- Purpose to match as closely as possible
- Provide Comment from community
- Final decision to be made based on SHPO recommendation



# 17865 Misc



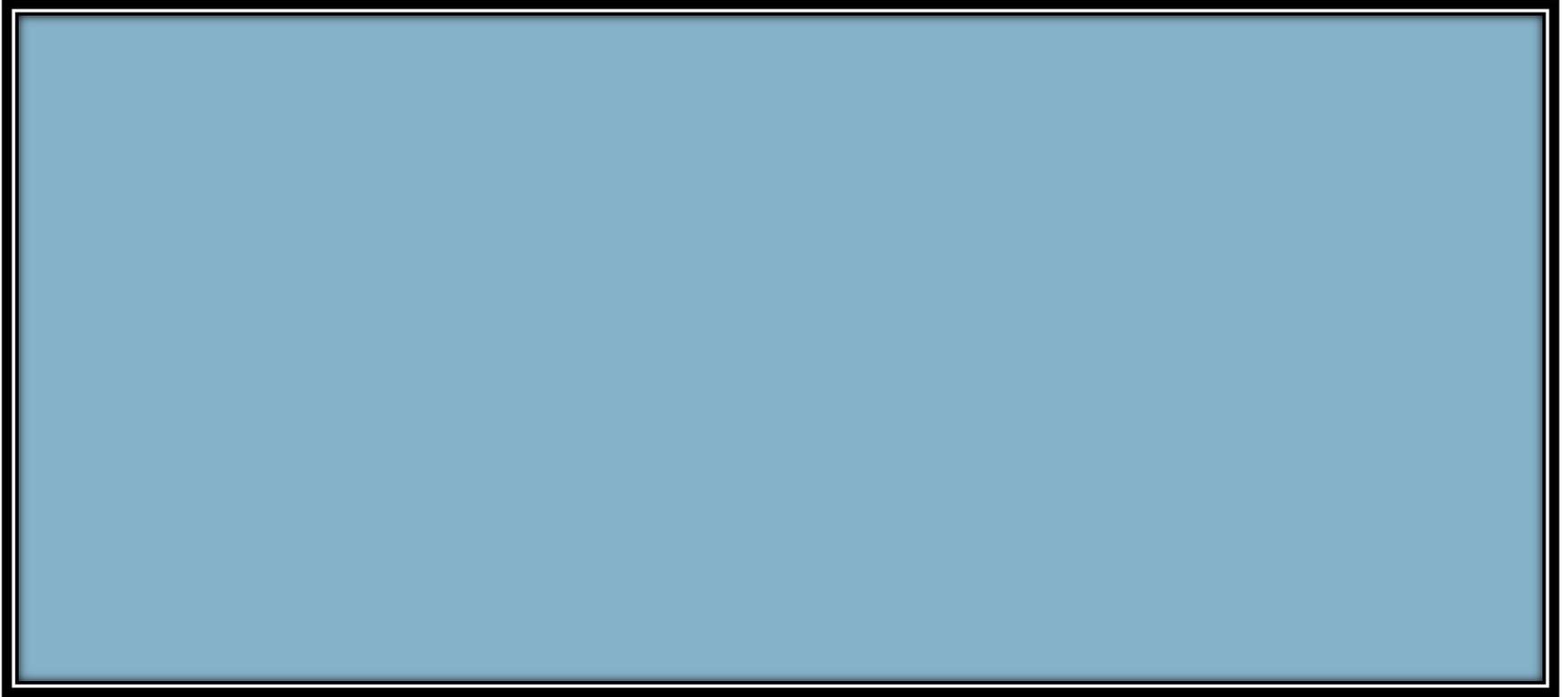
# 16515 Gray



# 15526 Blue



# 15450 Light Blue



# Community Engagement

- **Public and project stakeholder input**
  - Submit comments via options described on page 1 of information packet
- **INDOT will continue to monitor activities**
  - Public comments are reviewed and considered
  - Continue to assess construction activities to minimize impacts as much as possible
- **Communication**
  - INDOT will notify project stakeholders of key activities
  - Work through local media outlets
- **Project Website**
  - <http://www.in.gov.indot/3277.htm>



# Public Involvement Team

INDOT Vincennes District Office  
Communications and Customer Service Center  
3650 South U.S. Highway 41  
Vincennes, Indiana 47591  
Phone: 1-800-279-5758  
E:mail [swincommunications@indot.in.gov](mailto:swincommunications@indot.in.gov)  
Contact: Jason Tiller

INDOT Office of Public Involvement  
Indiana Government Center North, Room N642  
100 North Senate Avenue, Indianapolis, IN 46204  
(317) 232-6601  
E:mail [rclark@indot.in.gov](mailto:rclark@indot.in.gov)  
Contact: Rickie Clark



# Title VI Public Involvement Survey

## ■ Title VI Public Involvement Survey

- Voluntary Survey to assist INDOT in ensuring our programs and activities comply with Title VI of Civil Right Acts of 1964
  - Monitor
  - Track
  - Document
- Documentation is submitted to Federal Highway Administration
- INDOT evaluates survey data and modifies its programs and project development activities to ensure our projects benefit everyone equally



# Thank You

- **Please visit with INDOT project officials**
- **Project Open House**
  - Project maps, displays, INDOT project officials and informal Q & A
  - INDOT Vincennes District page  
<http://www.vincennes.indot.in.gov>
  - Project webpage <http://www.in.gov.indot/3277.htm>

